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Beth Pearson-Naul

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Taicher et al. Confirmation No. 5201 CENTRAL FAX CENTER Docket No: 584-28566-US JUL 2 6 2004 Serial No: 10/649,423 Art Unit: Filed: August 27, 2003 Examiner:

Title: NMR Detection of Small Amount

Of Fast Transversal Relaxation Component in Mixtures

SECOND PRELIMINARY AMENDMENT

Prior to any substantive action on this application, please amend the application as indicated.

Amendments to the claims start on page 2 of this document. Remarks start on page 8 of this document. Please note that in the Preliminary Amendment filed on June 25, 2004, all the claims identified as "previously presented" should have been labeled as "original,"

MADAN, MOSSMAN & SRIRAM, P.C.

Attomeys At Law

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Docket No.: 584-28566-US

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Second Preliminary Amendment

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